



FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Rev. 2-32) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
512-53 DIV

SERIAL NO.
10/757,656

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT
Robert A. Ashley

CONFIRMATION NO.
3939

(Use several sheets if necessary)

FILING DATE
January 14, 2004

GROUP
1617

U.S. PATENT

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
ST	6,673,843	1/6/04	Arbiser.	514	679	June 30, 1999

U.S. PATENT PUBLICATIONS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
ST	20030082120	5/1/03	Milstein.	424	59	October 24, 2002

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

ST	1	Akamatsu, et al. "Effects of subminimal inhibitory concentrations of minocycline on neutrophil chemotactic factor production in comedonal bacteria, neutrophil phagocytosis and oxygen metabolism." <i>Arch Dermatol Res</i> 283:524-528 (1991)
	2	Bikowski, et al. "Treatment of rosacea with doxycycline monohydrate" <i>Cutis</i> , 66:149-152 (Aug 2000)
	3	Golub, et al. "Tetracyclines inhibit connective tissue breakdown: New therapeutic implications for an old family of drugs" <i>Critical Reviews in Oral Biology and Medicine</i> , 2(2):297-322 (1991)
	4	Illig "Positive side effects of antibiotic and antimicrobial substances in therapy" <i>Infection</i> 7 (Suppl. 6): S 584-588 (1979) (English translation. Original document in German.)
	5	Knight, et al. "A follow-up of tetracycline-treated rosacea" <i>British Journal of Dermatology</i> 93:577-580 (1975)
ST	6	Marks, et al. "Comparative effectiveness of tetracycline and ampicillin in rosacea" <i>The Lancet</i> , 1049-1052 (November 13, 1971)

EXAMINER

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07/12/2006

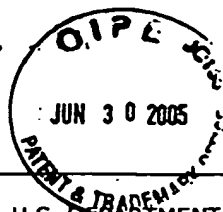
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ST		7	Millar, et al. "A general practice study investigating the effect of minocycline (Minocin) 50 mg bd for 12 weeks in the treatment of acne vulgaris" <i>The British Journal of Clinical Practice</i> 41(8):882-886 (August 1987)
ST		8	Plewig, et al. <u>Acne: Morphogenesis and Treatment</u> , Springer-Verlag 297-301 (1975)
ST		9	Webster, et al. "Suppression of Polymorphonuclear Leukocyte Chemotactic Factor Production in <i>Propionibacterium acnes</i> by Subminimal Inhibitory Concentrations of Tetracycline, Ampicillin, Minocycline, and Erythromycin" <i>Antimicrobial Agents and Chemotherapy</i> 21(5):770-772 (1982)

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ST	5,674,539 A	October 7, 1997	Tomas et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
ST	EP 0 410 099 A1	January 30, 1991	EPO				
ST	WO 83/00628	March 3, 1983	PCT				
ST	WO 99/58131	November 1999	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

ST		Skidmore et al., "Effects of Subantimicrobial-Dose Doxycycline in the Treatment of Moderate Acne," <i>Archives of Dermatology</i> 139:459-464 (April 2003), XP009047590.

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CONFIRMATION NO.
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

ST			Bikowski, J.B., "Treatment of rosacea with doxycycline monohydrate," Curtis. 2000 Aug., 66(2):149-152.
ST			Jimenez-Acosta, "Response to tetracycline of telangiectasias in male hemophiliac with human immunodeficiency virus infection," J. Am. Acad. Dermatol. 1988 Aug., 19(2 Pt. 1):369-379.
ST			Torresani, C., "Clarithromycin versus doxycycline in the treatment of rosacea," Int. J. Clin. Dermatol. 1997 Dec., 36(12):942-946.
ST			McClellan, K.J., "Topical Metronidazole. A review of its use in rosacea," Am. J. Clin. Dermatol. 2000 May-June, 1(3):191-199.
ST			Quarterman, M.J., "Ocular Rosacea. Signs, symptoms and tear studies before and after treatment with doxycycline," Arch. Dermatol. 1997 Jan., 133(1):49-54.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
ST	5,998,390	12/7/99	Ramamurthy et al.			
ST	5,908,838	6/1/99	Gans			
ST	5,827,840	10/27/98	Ramamurthy et al.			
ST	5,122,519	6/16/92	Ritter			

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ST		Akamatsu, et al. "Effect of Keigai-Rengyo-To, a Japanese Kampo Medicine, on Neutrophil Functions: a Possible Mechanism of Action of Keigai-Rengyo-To in Acne," <i>The Journal of International Medical Research</i> , 25: 255-265 (1997).
ST		Baer, et al. "High-Dose Tetracycline Therapy in Severe Acne," <i>Arch Dermatol</i> , 112:479-481 (April 1976).
ST		Cheryl Guttman, "Emerging resistance changes face of antibiotic therapy for acne," <i>Dermatology Times</i> , January 2001, page 22.
ST		Hirohiko Akamatsu, Maki Asada, Jinro Komura, Yasuo Asada, and Yukie Niwa, "Effect of Doxycycline on the Generation of Reactive Oxygen Species: A Possible Mechanism of Action of Acne Therapy with Doxycycline," <i>Acta Derm Venereol (Stockh)</i> 72:178-178 (1992).

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ST		Bodokh, Y. Jacomet, J. Ph. Lacour and J.P. Ortonne, "Minocycline Induces an Increase in the Number of Excreting Pilosebaceous Follicles in Acne Vulgaris," <i>Acta Derm Venereol (Stockh)</i> , 77:255-259 (1997).
		W. J. Cunliffe, M.D., F.R.C.P., "Evolution of a Strategy for the Treatment of Acne," <i>J Am Acad Dermatol</i> , 16:591-9 (1987).
		E. Anne Eady, Eileen Ingham, Christina E. Walters, Jonathan H. Cove, and William J. Cunliffe, "Modulation of Comedonal Levels of Interleukin-1 in Acne Patients Treated with Tetracyclines," <i>J. Invest Dermatol</i> , 101:86-91 (1993).
		Boni E. Elewski, M.D., Beth A.J. Lamb, W. Mitchell Sams, Jr., M.D., and W. Ray Gammon, M.D., "In Vivo Suppression of Neutrophil Chemotaxis by Systemically and Topically Administered Tetracycline," <i>J Am Acad Dermatol</i> , 8:807-812 (1983).
		Nancy B. Esterly, M.D., Nancy L. Furey, M.D., and Lillian E. Flanagan, B.S., "The Effect of Antimicrobial Agents on Leukocyte Chemotaxis," <i>The Journal of Investigative Dermatology</i> , 70(1):51-55 (1978).
		Sainte-Marie, I. Tenaud, O. Jumbou and B. Dréno, "Minocycline Modulation of Alpha-MSH Production by Keratinocytes <i>In vitro</i> ," <i>Acta Derm Venereol</i> 79:265-267 (1999).
		Hoshiki Miyachi, M.D., Akira Yoshioka, M.D., Sadao Imamura, M.D., and Yukie Niwa, M.D., "Effect of Antibiotics on the Generation of Reactive Oxygen Species," <i>J Invest Dermatol</i> , 86(4):449-453 (1986).
		Gerd Plewig, M.D., and Erwin Schöpf, M.D., "Anti-Inflammatory Effects of Antimicrobial Agents: An In Vivo Study," <i>The Journal of Investigative Dermatology</i> , 65:532-536 (1975).
ST		M. Toyoda and M. Morohashi, "An Overview of Topical Antibiotics for Acne Treatment," <i>Dermatology</i> , 196:130-134 (1998).

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ST		Sheila E. Unkles, and Curtis G. Gemmell, "Effect of Clindamycin, Erythromycin, Lincomycin, and Tetracycline on Growth and Extracellular Lipase Production by <i>Propionibacteria</i> In Vitro," <i>Antimicrobial Agents and Chemotherapy</i> , 21:39-43 (1982).
		G.F. Webster, K.J. McGinley, and J.J. Leyden, "Inhibition of Lipase Production in <i>Propionibacterium acnes</i> by Sub-Minimal-Inhibitory Concentrations of Tetracycline and Erythromycin," <i>British Journal of Dermatology</i> , 104:453-457 (1981).
		Guy F. Webster, M.D., Ph.D., Susan M. Toso, M.S., and Lutz Hegemann, M.D., Ph.D., "Inhibition of a Model of In Vitro Granuloma Formation by Tetracyclines and Ciprofloxacin," <i>Arch Dermatol.</i> , 130:748-752 (1994).
		Reynold C. Wong, M.D., Sewon Kang, M.P.H., Jan L. Heezen, L.P.N., John J. Voorhees, M.D., and Charles N. Ellis, M.D., "Oral Ibuprofen and Tetracycline for the Treatment of Acne Vulgaris," <i>J Am Acad Dermatol</i> , 11:1076-1081 (1984).
ST		Kenneth S. Kornman and Edward H. Karl, "The Effect of Long-Term Low-Dose Tetracycline Therapy on the Subgingival Microflora in Refractory Adult Periodontitis," <i>J. Periodontol.</i> , 53(10):604-610 (October 1982).

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